BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work: Detailed Estimate for the Repair works of kattigenahlli Ward office in Ward No. 05 Byatarayanapura Sub Division

			Estimate Cost Rs.					500000.00	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 5/ Item No. 2.1/ PWD SR 2014-15	cum							
			1	20.00	20.00	0.30	120.00		
							120.00	205.17	**24620.00**
	Basic Rate	157.00							
	Add 21%AD-Hoc	32.97							
		189.97							
	Area Weightage @ 8%	15.20							
	Total	**205.17**							
2	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications (P.NO - 5, I.NO - 2.3, PWD SR 16-17)	Cum							
	For Compound Wall		1	30.00	0.75	0.75	16.88		
	Soak Pit		1	3.14X2.40X2.40		3.00	13.56		
				4					
							30.44	246.99	**7518.00**
	Basic Rate	189.00							
	Add 21%AD-Hoc	39.69							
		228.69							
	Area Weightage @ 8%	18.30							
	Total	**246.99**							
3	KSRB 5.1.1 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with mud mortar (uncoursed), bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.21 Page No. 25/ Item No. 5.1/ PWD SR 2011-12	**Cum**							
	Soak Pit		1	3.14X2.40X0.30		3.00	1.70	**2279.06**	**3864.00**
				4					
	Basic Rate	1744.00							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	1744.00							
	Add 21%AD-Hoc	366.24							
		2110.24							
	Area Weightage @ 8%	168.82							
	Total	**2279.06**							
3	KSRB-4-1.3 : Providing and laying in position **plain cement concrete of mix M 7.5** withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2016-17	cum							
	Ward office Front		1	14.15	1.00	0.15	**2.12**		
	Compound Front		1	3.70	3.20	0.15	**1.78**		
			1	3.30	2.30	0.15	**1.14**		
	For Compound Wall		1	30.00	0.75	0.15	**3.38**		
							8.41	6360.20	**53502.00**
	Basic Rate	4867.00							
	Add 21%AD-Hoc	1022.07							
		5889.07							
	Area Weightage @ 8%	471.13							
	Total	**6360.20**							
4	KSRB 5.2-2 Providing and constructing granite / trap / basalt rubble **stone masonry in foundation** with mud mortar 1:8, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 **Page No.**	cum							
	Compound		1	30.00	0.60	0.45	**8.10**		
							8.10	5275.55	**42732.00**
	Basic Rate	4037.00							
	Add 21%AD-Hoc	847.77							
		4884.77							
	Area Weightage @ 8%	390.78							
	Total	**5275.55**							
5	KSRB 5.3-3 Providing and constructing granite / trap / basalt **size stone masonry in basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 **Page No. 26/ Item No. 5.9/ PWD SR 2016-17**	cum							
	Compound		1	30.00	0.45	0.40	**5.40**		
							5.40	6540.53	**35319.00**
	Basic Rate	5005.00							
	Add 21%AD-Hoc	1051.05							
		6056.05							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 8%	484.48							
	Total	**6540.53**							
6	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 24/ Item No. 5.27/ PWD SR 2016-17	Sqm							
	For Compound Wall		1	30.00		1.30	39.00		
			144	0.40		0.20	11.52		
							50.52	1224.47	**61860.00**
	Basic Rate	937.00							
	Add 21%AD-Hoc	196.77							
		1133.77							
	Area Weightage @ 8%	90.70							
	Total	**1224.47**							
7	KSRB 4.2.8 Providing and laying in position **reinforce cement concrete of mix M20** withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.46 with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6. **Page No. 15/ Item No. 4.11/ PWD SR 2016-17**	Cum							
	Ward office Front		1	14.15	1.00	0.10	**1.42**		
	Compound Front		1	3.70	3.20	0.10	**1.18**		
			1	3.30	2.30	0.10	**0.76**		
	For Roof Top		1	5.80	4.30	0.075	**1.87**		
	Coaping		1	30.00	0.45	0.100	**1.35**		
							6.58	7855.17	**51675.00**
	Basic Rate	6011.00							
	Add 21%AD-Hoc	1262.31							
		7273.31							
	Area Weightage @ 8%	581.86							
	Total	**7855.17**							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Providing **flush pointing** to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. **Page No. 119/ Item No. 15.1 PWD SR 2016-17**	sqm							
	Compound		1	30.00	0.40		**12.00**		
							12.00	126.76	**1521.00**
	Basic Rate	97.00							
	Add 21%AD-Hoc	20.37							
		117.37							
	Area Weightage @ 8%	9.39							
	Total	**126.76**							
9	KSRB 9.4-1 : ProvidingHonne wood **frames** of doors, windows, clerestory windows, ventilators, and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33. Page No. 55 / Item No. 9.11/ PWD SR 2016-17	Cum							
	DoorsS		2	6.60	0.075	0.125	**0.12**		
	Windows		3	4.40	0.075	0.125	**0.12**		
							0.25	134410.91	**33267.00**
	Basic Rate	102855.00							
	Add 21%AD-Hoc	21599.55							
		124454.55							
	Area Weightage @ 8%	9956.36							
	Total	**134410.91**							
10	KSRB 9-16.1: Providing and fixing in position Honne wood fully panelled shutters for windows with styles and rails of 35mm. thick, 75mm wide in two halves with panels of 25mm thick including cost of materials, labour charges, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No.KBS 9.34 Page No. 58/ Item No. 9.44/ PWD SR 2016-17	Sqm							
	Door		2	0.80	1.90		**3.04**		
	Windows		3	0.65	0.95		**1.85**		
	Basic Rate	4888.00					**4.89**	6387.64	**31252.00**
	Add 21%AD-Hoc	1026.48							
		5914.48							
	Area Weightage @ 8%	473.16							
	Total	**6387.64**							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
11	KSRB 15.15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials, labour, complete as per specifications. Page No.123/ Item No. 15.51.2 / PWD SR 2016-17	Sqm							
	Cealing Meeting Hall		1	3.10	2.75		**8.53**		
	Varanda		1	6.00	1.90		**11.40**		
	office Room		1	6.10	4.10		**25.01**		
	Antiq Chember		1	2.95	2.65		**7.82**		
	Store		1	6.30	2.70		**17.01**		
	Walls								
	Meeting Hall		2	3.10		3.00	**18.60**		
			2	2.75		3.00	**16.50**		
	Varanda		2	6.00		3.00	**36.00**		
			2	1.90		3.00	**11.40**		
	office Room		2	6.10		3.00	**36.60**		
			2	4.10		3.00	**24.60**		
	Antiq Chember		2	2.95		3.00	**17.70**		
			2	2.65		3.00	**15.90**		
	Store		2	6.30		3.00	**37.80**		
			2	2.70		3.00	**16.20**		
	Anganavadi Building		2	5.70		3.00	**34.20**		
			2	4.3		3.00	**25.80**		
							361.06	92.78	**33500.00**
	Basic Rate	71.00							
	Add 21%AD-Hoc	14.91							
		85.91							
	Area Weightage @ 8%	6.87							
	Total	**92.78**							
12	KSRB 15-16 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. Page No. 124/ Item No. 15.53.2 / PWD SR 2016-17	Sqm							
	Ward office Building		2	12.35		3.60	**88.92**		
			2	6.80		3.60	**48.96**		
	Anganavadi Building		2	6.50		3.30	**42.90**		
			2	5.00		3.30	**33.00**		
	Compound Wall		2	31.00		1.30	**80.60**		
			2	31.30		1.30	**81.38**		
			2	30.00		1.30	**78.00**		
			2	36.70		1.30	**95.42**		
							549.18		
	Deduction for Gate		1	3.50		1.30	**4.55**		
			1	1.20		1.30	**1.56**		
							6.11		
							543.07	109.77	**59613.00**
	Basic Rate	84.00							
	Add 21%AD-Hoc	17.64							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
		101.64							
	Area Weightage @ 8%	8.13							
	Total	**109.77**							
13	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. Page No.125 / Item No. 15.60 / PWD SR 2016-17	Sqm							
	Ward office Building								
	D		6	1.00		2.00	**12.00**		
	W		8	0.85		1.15	**7.82**		
	W1		2	1.45		1.15	**3.34**		
	Roling Shetter		1	1.90		2.05	**3.90**		
	Anganavadi Building								
	D		1	1.05		2.05	**2.15**		
	W		3	1.00		1.20	**3.60**		
							32.80	109.77	**3601.00**
	Basic Rate	84.00							
	Add 21%AD-Hoc	17.64							
		101.64							
	Area Weightage @ 8%	8.13							
	Total	**109.77**							
14	KSRB 11-2 : Providing and fixing white vitreous china clay, water closets Orissa pattern of size 580 x 440mm with integral type footrests, 100m S or P trap, 10 litre low level, P. V. C. flushing cistern (all are approved make) with fittings, C.I. / M.S. brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.Specification No. KBS Page No. 78/ Item No. 12.2 PWD SR 2016-17	Unit							
			1				**1.00**	5666.28	**5666.00**
	Basic Rate	4336.00							
	Add 21%AD-Hoc	910.56							
		5246.56							
	Area Weightage @ 8%	419.72							
	Total	**5666.28**							
15	Providing and fixing CI Nahani Trap of approved make conforming to ISI specifications and construction of cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot).10 cms x 7.5cms, Page No.91/ Item No. 12.113.1 PWD SR 2016-17	Each							
			2				**2.00**	326.70	**653.00**

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	250.00							
	Add 21%AD-Hoc	52.50							
		302.50							
	Area Weightage @ 8%	24.20							
	Total	**326.70**							
16	KSRB 13-6.1.2: Providing and fixing in position brass bib cock of approved quality 20mm, nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification NO. KBS 13.2.2 / 13.3Page No. 95/ Item No. 13.24 / PWD SR 2016-17	Each							
			2				**2.00**	317.55	**635.00**
	Basic Rate	243.00							
	Add 21%AD-Hoc	51.03							
		294.03							
	Area Weightage @ 8%	23.52							
	Total	**317.55**							
17	KSRB 13-1.2 : Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 20mm dia nominal bore with fittings (medium grade weight 1.65 kg/mtr) B class including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications no. KBS 13.2.14/13.8 Page No. 93/ Item No. 13.2 / PWD SR 2016-17	M							
			1	20.00			**20.00**	292.72	**5854.00**
	Basic Rate	224.00							
	Add 21%AD-Hoc	47.04							
		271.04							
	Area Weightage @ 8%	21.68							
	Total	**292.72**							
18	Providing and fixing M.S Gate as per Cheaf Architect Drawing using 50mmX50mm 14 guage M.S hollow pipe frame work bent to ornamental shape as shape as shown in the drawing and 35mmX6mm and 16X16mm squre roads for verticals alternatively spaced at 4cms c/c in two halves and 40mmX6mm M.S flats for horizontal member and at at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of of rust and painted with anti corrosive paint (shop paint) etc., complete the work includes cost of all materials, labour charges for all item of work, hire charges of welding, cutting and grainding equipment, and electricity charges, with lead and lift loading and lunloading charges. etc., complete as per specification and drawing Page No.47/ I No. 7.37/ PWD SR 2016-17	**Sqm**							
			1	1.70	1.9+1.5		**2.89**	3834.15	**11081.00**

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
					2				
	Basic Rate	2934.00							
	Add 21%AD-Hoc	616.14							
		3550.14							
	Area Weightage @ 8%	284.01							
	Total	**3834.15**							
19	KSRB 13.11.1: Providing and placing on terrace. Polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 litre capacity) Specification NO. KBS 13.22 Page No. 102/ Item No. 13.78 / PWD SR 2016-17	No.							
			1				**1.00**	11064.68	**11065.00**
	Basic Rate	8467.00							
	Add 21%AD-Hoc	1778.07							
		10245.07							
	Area Weightage @ 8%	819.61							
	Total	**11064.68**							
20	KSRRB M300-53 : Construction of embankment with approved material Gravel/Murrum with all lifts and leads, trasnporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications (which includes cost of gravel / murrum, watering charges & compaction by vibratory roller) MORTH Specification No. 305. **(Page No. 144 & Item No. 19.60) PWD SR 2016-17**								
			1	20.00	20.00	0.15	60.00		
							60.00	**266.59**	**15995.00**
	Basic Rate	204.00							
	Add 21%AD-Hoc	42.84							
		246.84							
	Area Weightage @ 8%	19.75							
	Total	**266.59**							
							Grand Total		**494793.00**
21	For 1% Third Party Inspection Charges								**4948.00**
11	Miscesallaneous Charges	L/S							**259.00**
								Total	**500000.00**

ADMINISTRATIVE APPROVAL
Accorded For Rs. Five lakhs only
Head of A/c. P-1771
Div. Ref. No. 182/18-19 Date. 17/02/18.
AE 17/02
EE(BTP) 17/02

TECHNICAL SANCTION
Accorded For Rs. Five lakhs only
Head of A/c. P-1771
Div. Ref. No. 68/18-19 Date. 17/02/18.
AE 17/02
EE(BTP) 17/02

(Rupees Tweleve Lakhs Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR 2016-17
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Executive Engineer
Byatarayanapura Division
17/02

Assistant Executive Engineer
Byatarayanapura Sub Division
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24